

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Sutter Maintenance Yard Maintenance Area 0012**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0012

Waterway			Bank	Unit Miles
Unit No. 01 Colusa Drain			Left	11.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/12/2013 - 03/12/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Bryan Reniff Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain				Left	11.31	03/12/2013 03/12/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1				Emergency Supplies & Equipment	WS A Ma		°	°	12
DWR ID: DWR_MA0012_01_s_2013_12									
2				Operations & Maintenance Manuals	WS A Ma		°	°	13
DWR ID: DWR_MA0012_01_s_2013_13									
3				Flood Preparedness & Training	WS A Ma		°	°	14
DWR ID: DWR_MA0012_01_s_2013_14									
4	2.65	3.76		Encroachments	LS M En	DT : Ditch	39.067343 ° -122.009611 °	39.081684 ° -122.016243 °	1
DWR ID: DWR_MA0012_01_s_2012_1									
5	4.52	4.52		Vegetation	LS A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.092338 ° -122.015429 °	39.092338 ° -122.015429 °	3 Y
DWR ID: DWR_MA0012_01_s_2013_3									
6	4.82	4.82		Encroachments	LS M En	FE : Fence Inspector Comments: Gate needs repair.	39.096714 ° -122.015568 °	39.096714 ° -122.015568 °	6 Y
DWR ID: DWR_MA0012_01_s_2013_6									
7	4.83	4.88		Encroachments	LS M En	DT : Ditch	39.096839 ° -122.015568 °	39.097455 ° -122.015581 °	4 Y
DWR ID: DWR_MA0012_01_s_2012_4									
8	5.30	5.30		Animal Control	LS A/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	39.103490 ° -122.016340 °	39.103490 ° -122.016340 °	206 Y
DWR ID: DWR_MA0012_01_s_2012_206									
9	5.77	5.77		Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.109189 ° -122.017139 °	39.109189 ° -122.017139 °	8 Y
DWR ID: DWR_MA0012_01_s_2012_8									
10	5.82	5.82		Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.110742 ° -122.017342 °	39.110742 ° -122.017342 °	207 Y
DWR ID: DWR_MA0012_01_s_2012_207									
11	7.67	7.67		Erosion / Bank Caving	LS U Ma	E2 : Schedule repair of erosion site prior to the next inspection.	39.135976 ° -122.022817 °	39.135976 ° -122.022817 °	9 Y
DWR ID: DWR_MA0012_01_s_2013_9									
12	9.02	9.02	Supplemental	USACE Erosion Survey	WS M Ma	Inspector Comments: 2011 - Erosion occurring upstream and downstream of an irrigation diversion structure. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: SYC_9-3_L]	39.158226 ° -122.021950 °	39.157957 ° -122.021950 °	7
DWR ID: DWR_MA0012_01_s_2013_7									
13	10.31	10.31		Animal Control	LS A/W Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.173370 ° -122.021357 °	39.173370 ° -122.021357 °	10 Y
DWR ID: DWR_MA0012_01_s_2012_10									
14	10.72	10.72		Slope Stability	WS M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.173971 ° -122.014362 °	39.173971 ° -122.014362 °	11 Y
DWR ID: DWR_MA0012_01_s_2013_11									

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	03/12/2013 03/12/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	4.52
End Levee Mile	4.52
Location	Land Side
Category	
Item	Vegetation

View of the levee with native grasses on both slopes.

rduffey_s_20130402_330.JPG



Levee Mile Report Line	6
Start Levee Mile	4.82
End Levee Mile	4.82
Location	Land Side
Category	
Item	Encroachments

View of the gate that needs repairs.

rduffey_s_20130402_331.JPG



Levee Mile Report Line	8
Start Levee Mile	5.30
End Levee Mile	5.30
Location	Land Side
Category	
Item	Animal Control

View of the levee slope with no rodent activity.

rduffey_s_20130225_098.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	03/12/2013 03/12/2013	Bob Duffey

Levee Mile Report Line	9
Start Levee Mile	5.77
End Levee Mile	5.77
Location	Land Side
Category	
Item	Animal Control

View of the levee slope with no rodent activity.

rduffey_s_20130225_096.JPG



Levee Mile Report Line	10
Start Levee Mile	5.82
End Levee Mile	5.82
Location	Land Side
Category	
Item	Animal Control

View of the slope levee with no rodent activity.

rduffey_s_20130225_099.JPG



Levee Mile Report Line	11
Start Levee Mile	7.67
End Levee Mile	7.67
Location	Land Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the landside slope.

rduffey_s_20130402_332.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Sutter Maintenance Yard Maintenance Area 0012

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	03/12/2013 03/12/2013	Bob Duffey

Levee Mile Report Line	13
Start Levee Mile	10.31
End Levee Mile	10.31
Location	Land Side
Category	
Item	Animal Control

View of the levee slope with no rodent activity.

rduffey_s_20130225_097.JPG



Levee Mile Report Line	14
Start Levee Mile	10.72
End Levee Mile	10.72
Location	Water Side
Category	
Item	Slope Stability

View of the vehicle erosion along the waterside slope.

rduffey_s_20130402_333.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement